

MPU-401AT

MIDI PROCESSING UNIT

SERVICE NOTES

First Edition

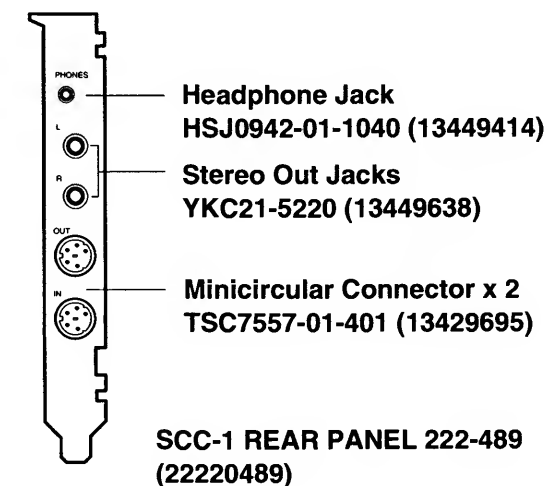
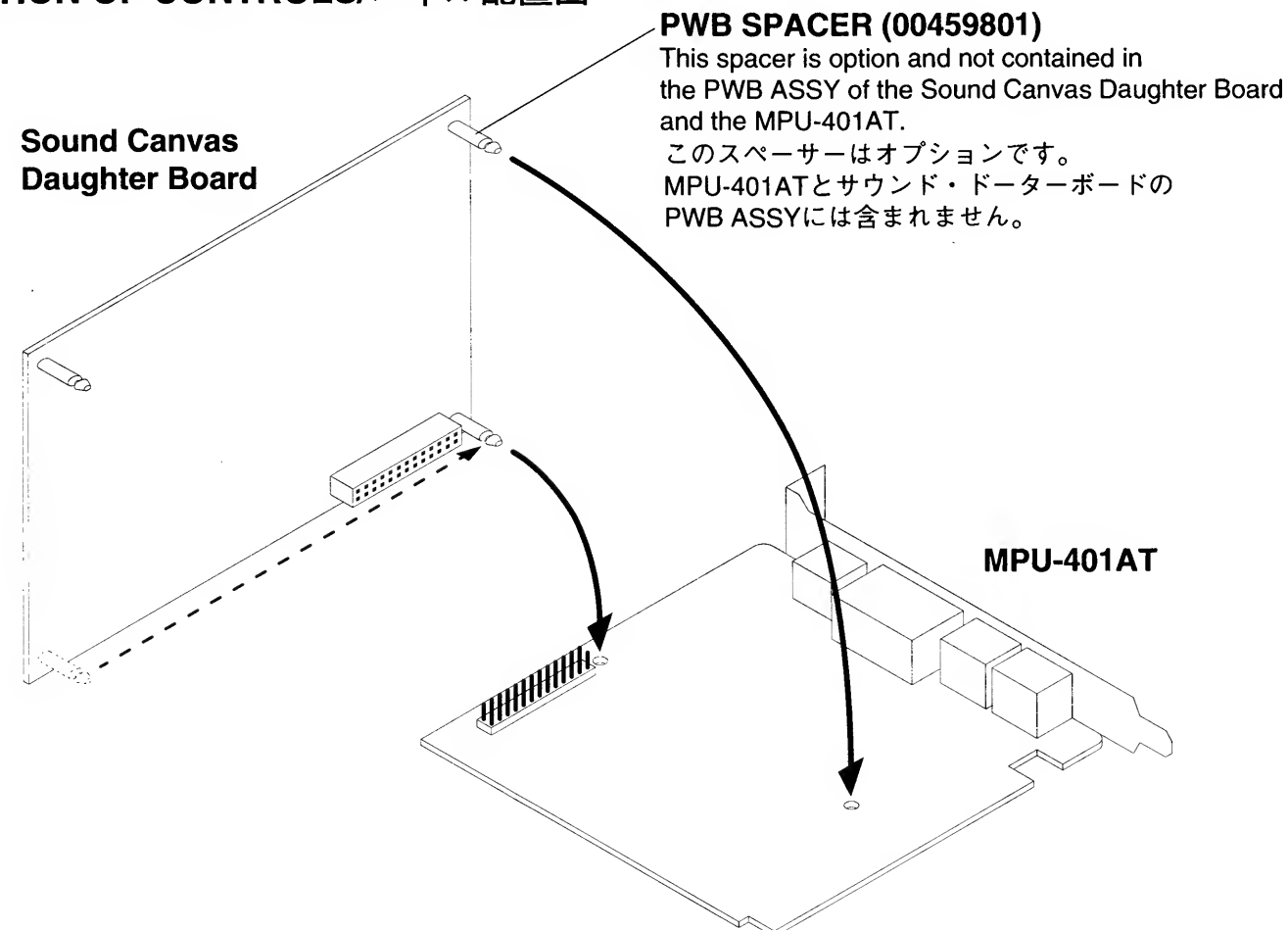
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MAIN PWB ASSY	MAIN PWB ASSY	3、4

SPECIFICATIONS/仕様

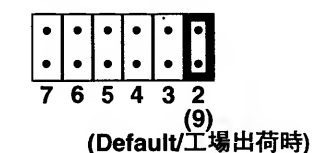
◎Applicable Models	IBM PC/AT or 100% compatibles with half size ISA type card slot
◎MIDI Interface	MPU-401 100% compatible
	Interrupt Level : 2(9), 3, 4, 5, 6, 7
	I/O Port Address : 0300h, 0320h, 0330h, 0332h, 0334h, 0336h
◎Connectors	OUT,IN Minicircular Connectors 5-pin minicircular type x 2
	L,R * Stereo Out Jacks RCA phono type x 2
	PHONES * Headphone Jack stereo miniature phone type
	* Sound Canvas Daughter Board Connector
	* This jack is available when the Sound Canvas Daughter Board is installed in the MPU-401AT.
◎Current Draw	170mA/+5V, 17mA/+12V, 2mA/-12V
	320mA/+5V, 35mA/+12V, 13mA/-12V (with GM Daughter Board SCB-7)
	380mA/+5V, 35mA/+12V, 13mA/-12V (with GS Daughter Board SCB-55)
◎Dimensions	15/16(W) x 4-11/16(D) x 5(H) inches
	23(W) x 119(D) x 126(H) mm
	15/16(W) x 8(D) x 5(H) inches (with GS/GM Daughter Board SCB-55/SCB-7)
	23(W) x 203(D) x 126(H) mm (with GS/GM Daughter Board SCB-55/SCB-7)
◎Weight	4 oz./88 g
	6 oz./153 g (with GS/GM Daughter Board SCB-55/SCB-7)
◎Accessories	Owner's Manual (ENGLISH) (PNo:00673556)
	Owner's Manual (JAPANESE) (PNo:00675856)
	5-pin minicircular - MIDI conversion cable x 2 (PNo:23480291)
◎Options	Sound Canvas DB SCD-10 (GM Daughter Board SCB-7)
	Sound Canvas DB SCD-15 (GS Daughter Board SCB-55)

LOCATION OF CONTROLS/パネル配置図

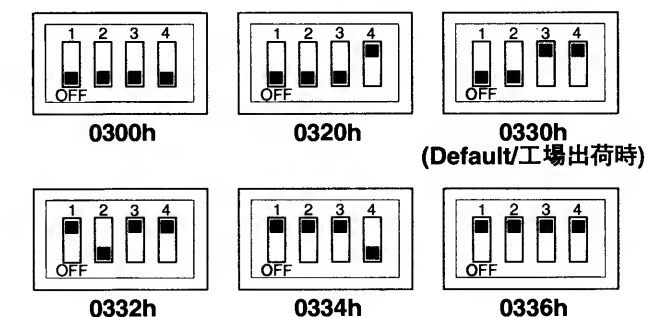


THE SETTING OF THE SWITCHES /スイッチの設定

IRQ/割り込みレベル



I/O address



PARTS LIST/パーツリスト

SAFETY PRECAUTIONS:

The parts marked△ have safety-related characteristics.

Use only listed parts for replacement.

安全上の注意：

△が付いている部品は、安全上特別な規格でつくられたものです。

交換の際は、指定された部品番号以外の部品は使わないようにして下さい。

CONSIDERATIONS ON PARTS ORDERING

When ordering any parts listed in the parts list, please specify the following items in the order sheet.

QTY	PART NUMBER	DESCRIPTION	MODEL NUMBER
Ex. 10	22575241	Sharp Key	C-20/50
15	2247017300	Knob (orange)	DAC-15D

Failure to completely fill the above items with correct number and description will result in delayed or even undelivered replacement.

パーツ発注に関するお願い

オーダーシートには、必ず下記の4項目は正確に記入して下さい。(例外は除く)

必要数	パーツナンバー	品名	使用機種
例) 10	22575241	Sharp Key	C-20/50
15	2247017300	Knob (orange)	DAC-15D

もし記入漏れ、誤記等がある場合、必要部品が発送出来なかったり、大幅な遅れの原因になります。御協力をお願いします。

NOTE:The parts marked # are new (initial parts).

CASING／ケース				
22220489	SCC-1 REAR PANEL 222-489 PANEL			
SWITCH／スイッチ				
13169702	51D-0401	DIP SWITCH(4p)	SW2	
JACK／ジャック				
13429695	TCS7557-01-401	MINI DIN	JK1,JK2	
13449638	YKC21-5220	RCA	JK3	
13449414	HSJ0942-01-1040	STEREO MINI PHONE	JK5	
PCB ASSY／基板完成品				
E 70560301	MPU-401AT PWB MAIN BOARD #			
IC				
15179222	HD6801VOB55P	MASK CPU	IC5	
15239133	HG62E08R10FS	GATE ARRAY	IC6	
00126534	HY6264ALJ-10	64K SRAM	IC1	
or 00128890	HY6264ALJ-70	64K SRAM	IC1	
15289125	PC-410T	PHOTO CUPLR	IC2	
00675389	NJM2060M	QUAD OP AMP	IC3 #	
15269216	HD74LS04FP	INVERTER	IC4	
15259845T0	TC74HC688AF	COMPARATOR	IC7	
15199937	M51953BFP	RESET IC	IC8	
15289409	M5237ML	REGULATOR	IC9	
TRANSISTOR／トランジスター				
15309113	2SA12130	Q1,Q2		
15309104	2SA1586GR	Q6		
15319115	2SC4213A	Q3,Q4,Q5,Q9		
15319107	2SC4116GR	Q7,Q8		
DIODE／ダイオード				
15339119T0	1SS352	SWITCHING DIODE	D1	
RESISTOR／抵抗				
15399686	RPC50T 101-J	FILM RESISTOR	R35,R36,R38,R42	
15399965	RCE9A103JAG7A	R-ARRAY 10KΩx8	RA1	
CAPACITOR／コンデンサー				
15369109	ECEV0JA101SP	6.3V/100uF	C4,C29,C30,C31	
15369152	ECEV1CA100R	16V/10uF	C17,C18,C22,C23	
15369149M0	ECEV1CA470P	16V/47uF	C11,C14,C25,C26,C36	
15369261	ECEV1HAR47R	50V/0.47uF	C35	
15369262	ECEV1HA010R	50V/1uF	C7	
13639151S0	16MV220HW	16V/220uF	C10,C13	
INDUCTOR,COIL,FILTER／インダクター、コイル、フィルター				
12449426	CEA EMI FILTER	BLM32A06PT	EMI FILTER	FL1,FL2,FL3,FL4,FL5,FL6,FL7
12449425M0	CEA EMI FILTER	NKF41R10C223T1	EMI FILTER	L1,L2,L3,L4,L5,L6,L7,L8
CRYSTAL／クリスタル				
15299159	CST-4.00MGW	4.00MHz	X1	
CONNECTOR／コネクタ				
13429837	IMSA-9210B-2-12-GF	PIN HEADER(10p)	SW1	
13429838	IMSA-9215H-GF	SHORT CONNECTOR(2p)	SW6	
00674390	PS-26PF-D4T1-PKL1	13x2p CONNECTOR	CN1 #	
SCREW／ネジ類				
40017934	3×6mm W Sems FeCm			

MISCELLANEOUS／その他	
00673578	MPU-401AT PACKING CASE #
ACCESSORIES／付属品	
23480291	SCC-1 MIDI CONVERSION CABLE 0.5Mx2
00673556	MPU-401AT MANUAL (ENGLISH) #
00675856	MPU-401AT MANUAL (JAPANESE) #

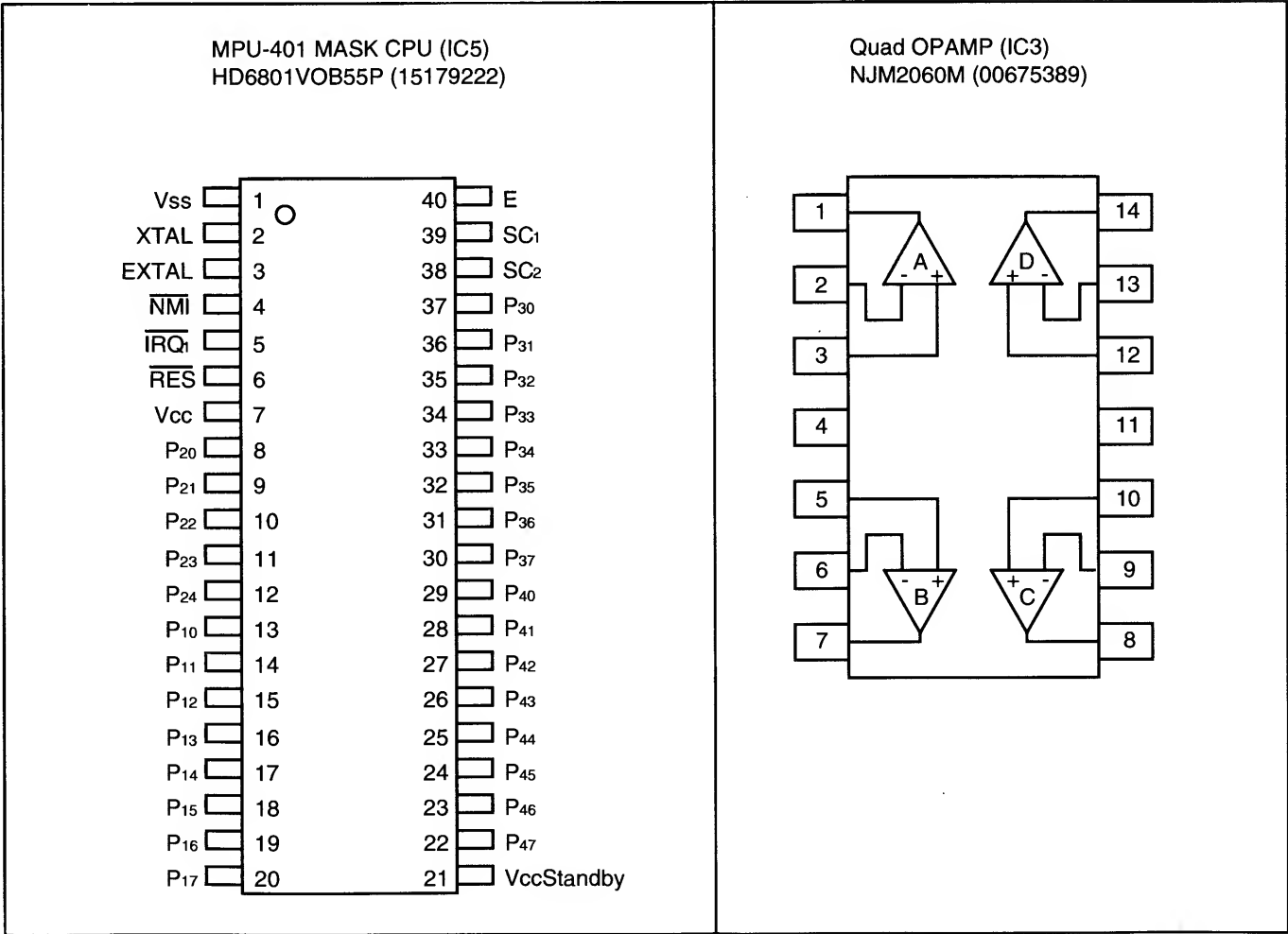
CHANGE INFORMATION/変更案内

Change SRAM	S R A M変更	
Effective: S/N ZG90100～ZG90499 S/N ZG90500-up	P/N 00126534 (HY6264ALJ-10) P/N 00128890 (HY6264ALJ-70)	実施製番: S/N ZG90100～ZG90499 S/N ZG90500以降 P/N 00126534 (HY6264ALJ-10) P/N 00128890 (HY6264ALJ-70)
Replace 64k SRAM P/N 00126534 (HY6264ALJ-10) with 00128890 (HY6264ALJ-70)	64kSRAMをPNo.00126534(HY6264ALJ-10)からPNo.00128890 (HY6264ALJ-70)に変更。	
Compatibility: These parts have a compatibility each other.	新旧パーツの互換性: 有り	

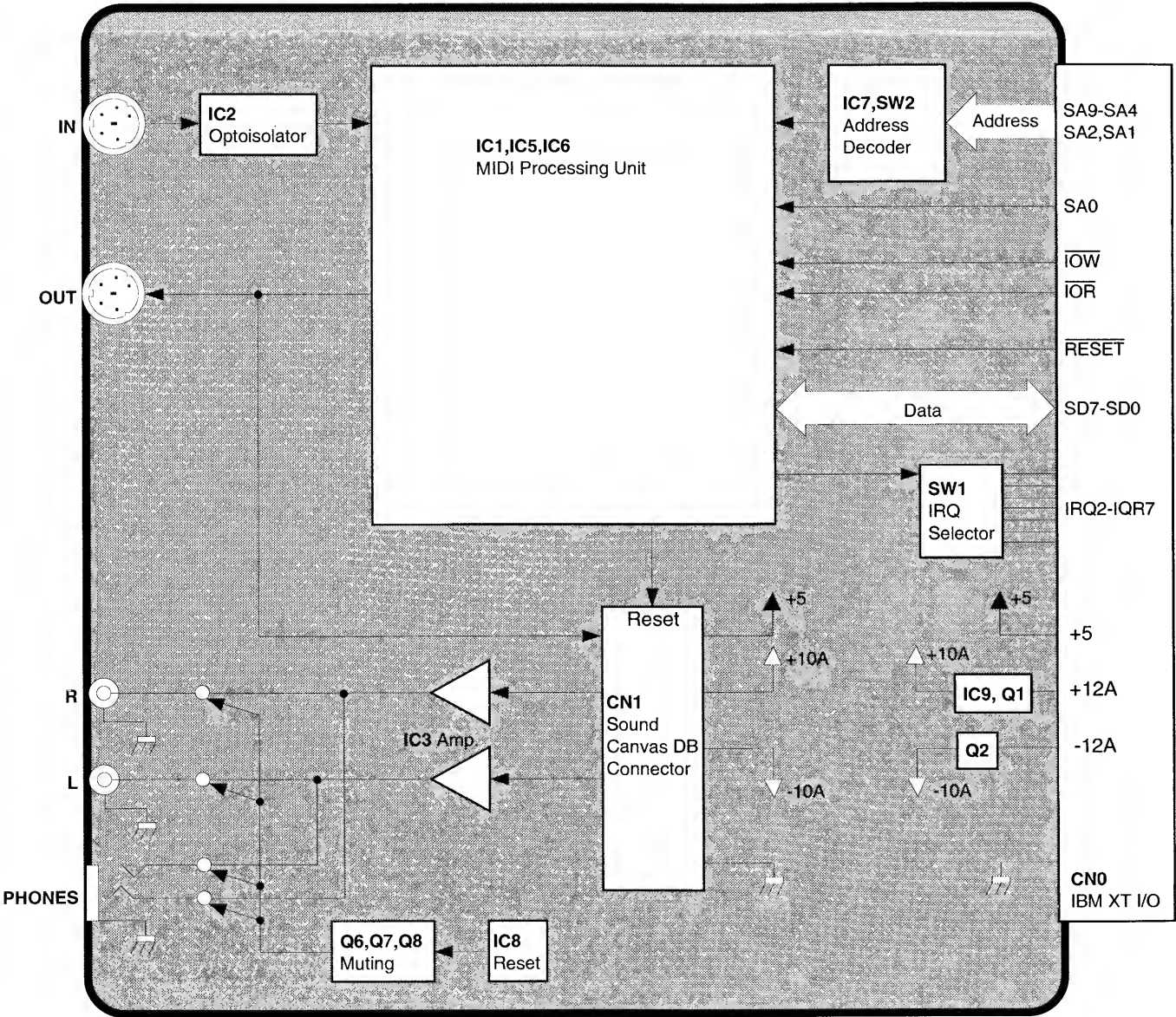
EFFECTIVE/実施製番

	Part No 部品番号	Description 規格名称	Effective 実施製番
Old/旧	00126534	HY6264ALJ-10	ZG90100-ZG90499
New/新	00128890	HY6264ALJ-70	ZG90500-

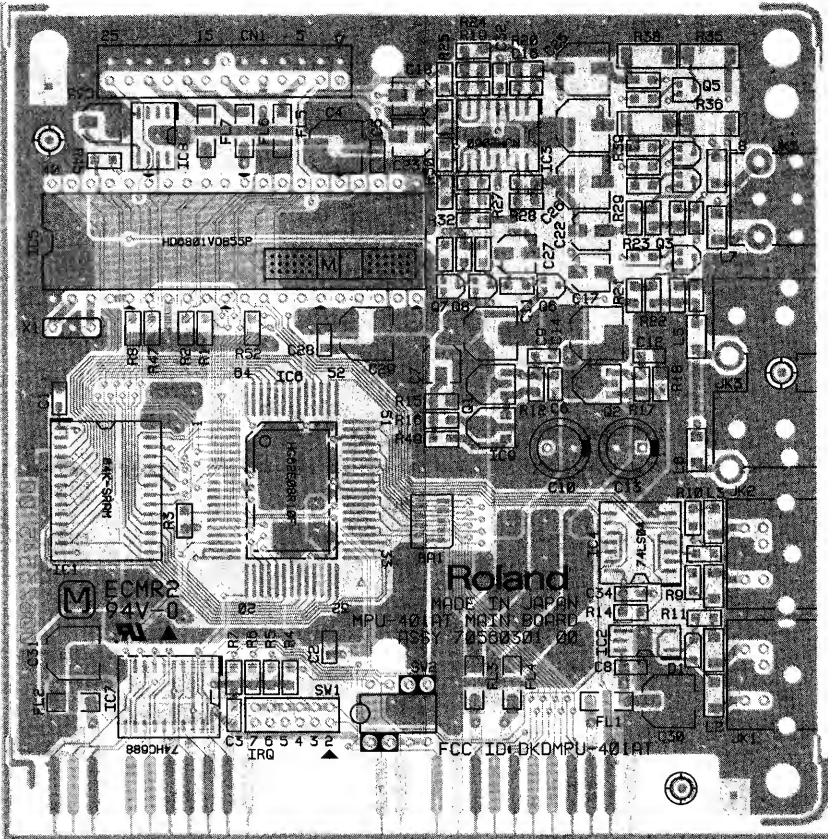
IC DATA/ICデータ



BLOCK DIAGRAM/ブロック図



E MAIN PWB ASS'Y
ASSY 70560301



View from component side

E MAIN PWB ASS'Y

